

**CH2M HILL**  
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August 31, 2015

Director, Office of Compliance and Enforcement  
US EPA Region 10  
Attn: ICIS Data Entry team, OCE-133  
1200 Sixth Avenue, Suite 900  
Seattle, Washington 98101-3140

Re: NPDES Permit # ID-002127-0

For the week beginning August 23, 2015, the Twin Falls Wastewater Treatment Plant experienced an exceedance of the weekly average effluent TSS concentration and mass limits. The permit limit for weekly average effluent TSS is 45 mg/L and 3,213 lbs/day. Analytical results show an average of 56 mg/L and 3,628 lbs/day for the week.

Due to the construction needs to tie-in the last two of the facility's four aeration basins to the new Integrated Fixed Film Activated Sludge (IFAS) system, all plant flow was routed through the IFAS and two on line aeration basins. Modeling studies had shown that with the current influent flows and loadings, that this arrangement of process units would provide adequate treatment of the waste stream. Unfortunately, mechanical issues with a dissolved oxygen probe and a flow regulating valve created a biomass that does not readily settle.

Both the dissolved oxygen probe and the flow regulating valve have been repaired. We are currently utilizing chemical addition at the primary and secondary clarifier influents to aid in settling of solids. We are also working with CH2M process engineers and CH2M technical support in efforts to improve effluent quality.

As of August 26, 2015 analysis of effluent TSS has been reported below weekly average permit limits.

If you have any further questions, please contact me.

Sincerely,

Shawn Moffitt  
Project Manager II  
CH2M HILL

Cc: Dave Anderson/IDEQ  
Jon Caton/Public Works Director